



SWARC NEWS

Notes from K7RLH

Welcome to my first newsletter as your SWARC President. I have sent out several emails with updates and I will continue to do so rather than only touching base once a month via this document.

I think those that attended our July meeting, in person, enjoyed themselves and we did a wrap up of Field Day and discussed future meetings and their format. We also decided that it was time to resume our potluck suppers prior to the meeting. **In light of recent Covid-19 trends, we will hold off on meals for the time being to protect our membership. You may, of course, bring a light dessert or snack, for yourself or to share but there will be no formal signup request.**

Saturday, the 17th, I attended the Cary Mid-Summer Swapfest at Ritter Park. While there, I spoke to Alan Pitegoff, AB4OZ, who has decided to move his monthly swapfest from the Glenwood Avenue venue to a less congested location due to construction activity at the previous site. Guess where his next swapfest will be held?? Okay, enough suspense; Steve Mowels, KA0GMY, had spoken with Golden Corral management about using the parking lot where SWARC has held a few similar events. Alan is excited about the new location, one because they have restroom facilities, and he may pick up additional traffic from the 'ham breakfast' that Steve hosts each Saturday. So, this is an

encouragement to think outside the box on occasions and be willing to support another group. For most of us that like to attend these 'fests' the GC location is less of a hike than Glenwood Avenue. While there may be a few details to iron out, this is an example of the support we hams give each other when situations arise.

On a personal note, I finally got my restored Hallicrafters SR-500 'Tornado' HF rig on the air this past week. Wow, are spoiled by the modern technology of today's rigs; this 1965 unit doesn't have all the fancy stuff to hold a signal and keeping in touch with someone, or listening to a net, is challenging because you're not only fighting band conditions, static crashes, noise, etc., but the signal drifts and I find myself constantly re-tuning. Talk about going back in time; however, I love it because I began listening to SW broadcasts about 61 or more years ago and it was very similar--always using the 'band spread' knob to reel in a good signal.

I'm also building a packet node to join in on the Terrestrial Amateur Radio Packet Net. So, like Brian did last year, I'm challenging you to explore the many ways we hams can connect with each other and enjoy the privileges we have as operators.

Look for other info in the body of the newsletter.
SWARC de K7RLH

Notes from KB4NC

Manny Garcia, our VP, said he didn't have anything to say for this month! Does anyone believe that?!

SWARC 7 July 2021 Meeting Minutes

The meeting was called to order at 7:00 pm sharp by newly-minted President, Richard Hall, K7RLH. We held the meeting on a new day and slightly new location at the Legion complex. Meetings are now being held at 7pm on the first Wednesday of every month in Building 2. This change is to accommodate the Legion's request to free up the main meeting room in Building 1 for rental space. While slightly smaller, the Building 2 space has all the basic amenities we need including a fully functioning kitchen, bathrooms and a pull down screen for projecting presentations. A Zoom option was not available for this meeting and the club is trending towards phasing out Zoom for its monthly meetings.

Our new meeting space enjoys the presence of several American flags so once we got all the members facing in the same direction, as customary, Bernie led the Pledge of Allegiance.

We had good attendance considering the recent change in meeting date with 15 attendees present during the course of the meeting including:

Richard Hall (K7RLH), Brian Knox (KK4BK), Bill Blomgren (KK4QDZ), Andy McDaniel (KN4JJU), Al Crawford (WA4TCJ), Steve Mowels (KA0GMY), Bernie Jones (N4BAJ), Mike Gaither (K4MWG), Manny Garcia (KB4NC), Gary Plante (KO4LQX), Dave Yow (K4MSE), Mike Rowland (N3YEP). And a special warm welcome to new visitors Walt Paulson (KO4LZZ), Ed Danyo and his son Ed Danyo, Jr.

Financial Report:

No treasurer's report was available for the July meeting. However, the new fiscal year has begun and you know what that means – its dues paying time! Please visit the SWARC website for more information on joining or renewing

your club membership: <http://www.southwakearc.com/membership>. A full annual membership is \$30, an associate membership is \$20, additional family members can be added on to your membership for only \$5. Your support is greatly appreciated! Christy subsequently reported a starting balance of \$1,107.91, addition of \$405.00 from dues and raffle sales, and an ending balance of \$1,512.91. This was the June 2021 financial report; July's report will be announced and published in August.

Old Business:

The club enjoyed a great Field Day with good, albeit warm weather. As a club we made approximately 114 phone contacts which does not include the stats from member submittals operating individually. The biggest inroads for the club this year was utilizing special bonus points which we scored for the Spectrum News spot, NTS traffic and emergency communication messages among others. Several members contributed from their home stations including Al Crawford with 93 contacts, Greg Gabry with over 300 FT8 contacts, and Ken Castille also with 93 contacts. Those in attendance especially enjoyed Miss Penny's charity bake sale. Although she did not quite reach her \$1,000 sales goal, the cookies and brownies I bought did not last one day in my household. *Dave Krum reported (by email) that Penny took in \$977.44, which broke down as \$344.35 from sales, \$143.09 from donations,, online donations of \$490.00 that includes the \$150.00 donated by the club. The online donation site will still be active for a few more days if you want to help her achieve her goal of \$1,000.00 for "No Child Hungry."* I'll be definitely stocking up next year. Check out the SWARC Facebook page for Field Day pictures.

New Business:

For the main portion of the meeting Richard led a discussion of new business and moving the club forward as operations return to normal post-COVID. There was a consensus among the members to return to pre-meeting 6pm gatherings for potluck dinners. So keep an eye out on your email for more information and potluck sign ups.

Richard mentioned that Jeremy Lindsley (K2HJX), NC and RARS Public Service Coordinator, reports that a bike ride public service opportunity is available on

Sunday July 11th. Please visit the RARS website and click on the Public Service tab to find out more information on how to participate.

Attendees were happy to hear that Kenny Southern (KJ4CVK) is back home and fired up to get back on the nets. We all wish Kenny the best and look forward to hearing him on the air again.

Richard noted that Danny Hampton (K4ITL) is donating to the club a Kenwood TS590SG for our radio room. Steve (KA0GMY) has had a plaque made to mount near the radio recognizing Danny's generous donation. Gary Rodgers, WA4YMZ, donated a laptop computer for the radio room. On top of that Gator is making further enhancements to allow switching cables and radios easier. If you haven't seen it lately the SWARC radio room is really looking sharp and with these additional donations and enhancements it's a really great asset for the club. Everyone is encouraged to take advantage of this membership benefit. Feel free to reach out to Richard if you need access information.

Club Raffle – SWARC is back in the raffle business to raise money for the club and this year Gator has donated to the raffle a never used, still in the box, Yaesu FTM 7250D 2m/440 radio. Also, Brian has donated a new, still wrapped in plastic, 2021 ARRL Handbook. Thanks to these two very fine gentlemen for their generous donations to support the club! Tickets are only \$5 so get yours soon.

The 48th Annual Cary Mid-Summer SWAPFEST will be held on Saturday, July 17, 2021 from 8:00 AM until 1:00 PM at Cary's Ritter Park, 301 W Lochmere Drive, Cary, NC. No doubt it will be hot but so will be the deals.

Richard reports that Al "The Cat Man" Kinnamon suffered a lightning strike at his QTH which caused extensive damage to his electronics throughout the house. Unfortunately, Al is battling his insurance company, which doesn't seem to appreciate the value of ham radio equipment. Richard reminded attendees that reasonably priced equipment insurance is available for ARRL members and may be a way to avoid some of the hassles Al is enduring at the moment. Computer equipment used with ham radio operations is also covered by ARRL's policy. Check it out on the ARRL website.

Finally, for our August meeting Nick Petro, Warning Coordination

Meteorologist with the National Weather Service, will be teaching SWARC's annual Sky Warn re/certification training. Nick promises to add additional content to this year's training for those previously certified. Nick is an excellent speaker so please be sure not to miss this opportunity.

Richard concluded the meeting at 7:41pm.

73,

Andy McDaniel – KN4JJU - Secretary

MEMBERSHIP

Just a reminder that it is that time again to pay membership dues.

\$30 for individual and \$5 for each family member.

You can bring a check or cash to the next meeting or mail them to the club PO box and Christy will let me know she has received them so I can update the list. If you mail them, give me a heads up so I can mark it as pending on the roster.

Makes checks payable to South Wake ARC.

If you are going to mail it, send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

I will be developing an online form so new members can fill out the application online and mail or bring a check to a meeting.

I will be reaching out to all members here soon to make sure I have the latest contact information, addresses, etc so I can make sure the membership list reflects current information.

Thanks,

Gary Plante

KO4LQX

NET REPORT

Hi to the SWARC Group

We had three individuals who can be referred to as net check in champs, that is Bill, KK4QDZ, Gary, KO4LQX, and Randall, KO4MSN.

Look at those counts! Notice that we are only showing folks who have checked in more than once? Why did we do that?! Because there were 38 recorded check-ins that came just once.

See you on the net.

net date	Callsign count	Expr1000	NetCheckins
6/2/2021	22	KK4QDZ	15
6/3/2021	14	KO4LQX	13
6/6/2021	11	KO4MSN	13
6/9/2021	19	N4BAJ	12
6/10/2021	16	K7RLH	12
6/12/2021	13	WA4TCJ	12
6/13/2021	20	KK4BK	12
6/14/2021	15	KN4OEY	11
6/15/2021	14	WB4UFO	11
6/16/2021	12	KO4IHM	9
6/17/2021	6	KI4WAI	9
6/20/2021	16	WA3JJG	9
6/21/2021	20	KO4LZZ	9
6/23/2021	8	KO4FUD	8
6/24/2021	15	KB4NC	7
6/27/2021	15	KJ4QNW	7

6/28/2021	15	KM4IJK	7
6/29/2021	20	KJ4CVK	6
6/30/2021	12	KJ4WLG	5
		KI4LO	4
		N4BNC	4
		KE4QBW	3
		KG4JOK	3
		KK4BVU	3
		KO4DHJ	3
		KN4WJL	3
		K4WCA	3
		AJ4NX	3
		AK4XZ	3
		N4NCK	3
		N4MRW	3
		N4AED	2
		KI4RAN	2
		AB4OZ	2
		N4RL	2
		KE5OLM	2
		KA0GMY	2
		K2OLT	2
		KM4ARS	2
		KD4MC	2
		KO4QYL	2

While we are on the topic of nets, here is the plan for Net Controls while Kenny is recuperating from his first (and soon to be second) surgery.

- K7RLH and N4BAJ are calling the Tuesday and Thursday Trivia Nets
- Saturday and Sunday evenings will be called by KT4JR & K7RLH
- KB4NC will call Monday evenings
- KA0GMY will call Tuesday evenings
- KK4BK to pick up Thursday evenings
- Wednesday evening nets will continue to be called by board members
- Fridays will continue to be called by NC4MP
- And we need backups – JUST BECAUSE.

And, here are some thoughts about nets and net controllers.

- Net controls should be professional; make sure you ask for corrections to call signs and interact with those calling in
- Net controls don't own a net; they are the temporary custodian of same and should respect the privilege they have to call a net
- Net controls should encourage call-ins to use full call sign and spell it out phonetically because that will save time in the long run besides giving the NC more time to copy everyone down
- Members should be careful not to disparage other members, clubs, TV stations and other entities—nothing political or religious should be discussed regardless of your personal opinion/feelings

Public Service

Check the RARS web site often for Public Service opportunities.

BOARD OF DIRECTORS

President

Richard Hall--K7RLH

Vice President

Manny Garcia--KB4NC

Secretary

Andy McDaniel – KN4JJU

Treasurer

Christy Fernandini - KJ4AEO

Member-At-Large

Al Crawford – WA4TCJ

Member-At-Large

Bernie Jones – N4BAJ

Member-At-Large

Mike Gaither –

K4MWG

Member-At-Large

Brian Knox--KK4BK

Membership Chair

Gary Plante--KO4LQX

Appointed Positions

NET MANAGER

Kenny Souther-KJ4CVK

Special Events Director

Gino Fernandini –KI4YXO

Public Service Director

David Krum – NW3U

SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

LINKS (if you have other links you want added then send them to me)

PRN

A Wide Area Digital Amateur Radio Network

www.ncprn.net

GigaParts

www.gigaparts.com

QRZ

www.qrz.com

Ham Radio Outlet HRO

www.hamradio.com

Raleigh Amateur Radio Society RARS

www.rars.org

Johnson Amateur Radio Society JARS

www.jars..net

South Wake Amateur Radio Club SWARC

www.southwakearc.com

ATTENTION

Our club is like other clubs, we have a mixture of memberships. We have everything from young pre-teen members to those who are “Advanced Teens”. The point is - make sure to check up on our older members occasionally to see if they could use any help. Someday you may be in their exact situation.

Question of the month WHO HAVE YOU HELPED THIS MONTH?

ARRL News

FCC Seeks Comments in Proceeding Involving 70 and 5 Centimeters

The FCC is soliciting a second round of comments on whether to authorize commercial space entities to obtain licenses for frequencies used exclusively during space launch activities. The proposals include parts of the 70-centimeter (420 - 430 MHz) and 5-centimeter (5650 - 5925 MHz) bands. The federal government has allocated this spectrum on a primary basis and routinely uses it during space launches, but commercial space companies must obtain short-term Special Temporary Authority (STA) authorizations from the FCC to use it for the same purpose.

The last decade has seen a dramatic increase in commercial space launches. In March, the Federal Aviation Administration (FAA) streamlined its commercial space launch and reentry licensing



regulations. In April, the FCC adopted some of its proposals from 2013 and solicited additional comment in a [Further Notice](#) on proposals in ET Docket No. 13-115, "Allocation of Spectrum for Non-Federal Space Launch Operations."

The proposals would allow private commercial space companies to obtain regular FCC licenses instead of launch-specific STAs in a number of bands, including 420 - 430 MHz and 5650 - 5925 MHz. The federal government, including the US Department of Defense, is the primary user of both bands. Amateur operations are allocated on a secondary basis. The FCC again seeks comment on whether it should authorize use by commercial space launch entities limited to space launch uses identical to those employed by the federal government on this spectrum.

Primary federal users heavily employ the 70-centimeter segment for radiolocation applications. Frequencies in the 420 - 430 MHz segment can also be used during space launches to send a flight self-destruct signal if a launch goes off course and poses danger to a populated area. The Commission's 2013 proposal, repeated in 2021, would permit use restricted to flight termination during launches by commercial space launch companies.

Primary federal users also make use of 5650 - 5925 MHz for radiolocation applications, with channels used during launches for radar tracking. The Commission proposes to permit use by commercial entities similarly limited to use for radar tracking of launch vehicles.

The Commission notes in its *Further Notice of Proposed Rulemaking* that since 2013, commercial entities have become established in space launch operations that were formerly the province of NASA. "To support these commercial space ventures, entities such as the New Mexico Spaceport Authority, the Virginia Commercial Space Flight Authority, and the Houston Airport System have established non-Federal spaceports," the FCC said, noting that five bands -- including 420 - 430 MHz and 5650 - 5925 MHz -- are commonly used for communication with and tracking of launch vehicles.

The Commission noted, however, that several commercial space launch providers indicated that they do not use either band for their operations. The FCC concluded, "Given the limited current use of these bands during space launches [by commercial space entities], we are not convinced that there is need for new allocations for either band."

Comments are due on or before July 12, 2021; reply comments are due on or before August 9, 2021.

Read [an expanded version](#).

ARRL Headquarters Holds Rededication Ceremony

On Thursday, July 15, at 10 AM EDT, ARRL Headquarters in Newington, Connecticut, hosted a rededication ceremony, recognizing ARRL's commitment to all radio amateurs who enhance the communications capability and security of the nation. The event



The ARRL ceremony was kicked off by 18-year-old Jacob Gionfriddo, KC1LYP, a 2021 ARRL Foundation Scholarship winner and recent graduate of Newington High School. He will be attending Central Connecticut State University this fall to study electronics and technology.

coincided with the attendance of ARRL's all-volunteer Board of Directors, who had traveled in from across the country for in-person committee and Board meetings this week.

"Associations advance America," ARRL President Rick Roderick, K5UR, said in his remarks. "Associations bring people together around a common purpose. For ARRL and our members, that purpose is amateur radio... Over the last year, I have witnessed the extraordinary dedication of ARRL members, our staff, and our Board of Directors. Without skipping a beat, we have worked together to equip our members with the opportunities they need to serve an active and vibrant Amateur Radio Service for our country." Roderick also recognized members of ARRL's Amateur Radio Emergency Service®(ARES®) for serving their communities with essential communications When All Else Fails®.



US Congressman John B. Larson (left) presents ARRL CEO David Minster, NA2AA, with a Congressional Recognition for "the dedicated and phenomenal service that the ARRL and its members" provide.

In his remarks, ARRL CEO David Minster, NA2AA, reflected on the commitment made to maintain the organization's operations for the benefit of its members during the pandemic. "That we were able to continue proudly and passionately serving our members and our nation through these challenges speaks to the resilience of our organization, and the commitment of our volunteers and staff."

The event also included remarks by Connecticut District 1 US Congressman John B. Larson; Connecticut State Senator Matt Lesser, and Glenn A. Field, KB1GHX, Warning Coordination Meteorologist for the National Weather Service Boston/Norton office in Massachusetts. Also in attendance were representatives of the American Red Cross; the Connecticut Department of Emergency Services and Public Protection; the International Amateur Radio Union (IARU); Radio Amateurs of Canada; Connecticut General Assembly; the Town of Newington, and ARRL Officers, Board members, and staff.

A [video](#) of the rededication ceremony is posted on ARRL's YouTube channel.

Most 2021 Field Day Participants Entered in Class D

In the second ARRL Field Day (FD) with rule waivers in place, some 4,815 entries were received at ARRL Headquarters by July 13 -- the



majority in Class D (Home Stations). Last year saw more than 10,213 entries and 18,886 participants. Before the pandemic, in 2019, 3,113 entries were submitted, with 36,420 total participants.

"It appears that larger groups were more the norm in pre-pandemic times, as expected," ARRL Contest Program Manager Paul Bourque, N1SFE, observed. "From the discussions I've been having with participants, even though some groups gathered in larger numbers this year, many participants chose either to gather in smaller groups or to operate solo from home as Class D or Class E stations. Although I don't think we'll see the number of entries that we did last year, we're close in terms of the number of participants."

With about 2 weeks to go until the entry submission deadline, the tally of participants reported is 16,166. They made just north of 1 million



Andy Goss, AA5JF, took part in the first Field Day for the Augusta University Amateur Radio Club (WA4AUG), which set up in the Georgia school's Critical Event Preparedness and Response (CEPaR) Center.

total contacts.

"FD was already a success on Saturday, with the stations working smoothly, and lots of local visitors dropping by," said Andy Goss, AA5JF, at Augusta University Amateur Radio Club's WA4AUG. "An hour after sunrise on Sunday, we were counting our points, when Darby, KK4PEQ, announced he had just worked a station on 6-meter phone -- just playing around on 50 MHz using the 20/15/10 tribander," Goss said. "He stayed on 6 [meters] for five QSOs, but we quickly

[moved] to 10 and 15, finding those bands were open to just about everywhere, and we doubled our score in just 3 hours. What a rush!"

FD Entries are Due Soon

There's still time to submit your 2021 Field Day entry. Most of this year's Field Day entries have been submitted [via the online web app](#) (worth 50 bonus points!), although some 50 paper logs have been mailed in. Participants can check the [Entries Received](#) page to make sure their entries were received and complete. If the entry status indicates "Pending documents," either the required dupe sheet (or in lieu of that, a Cabrillo log file), or supporting documentation of claimed bonus points is missing. Bourque said some 250 entries fall into that category right now. Participants can add documentation or edit their entries by following the link provided in the confirmation email sent to the email



Scott Hanley, WA9STI, operated in the Los Padres National Forest from a site at 7,400 feet elevation.

address provided upon entry, up until the entry submission deadline. Field Day entries must be submitted online or postmarked no later than 2059 UTC on July 27, 2021.

The breakdown of Field Day entries by class, as of July 13, showed 4,815 total entries, with 613 in Class A, 582 in Class B, 57 in Class C (Mobile), 2,619 in Class D, 858 in Class E, and 86 in Class F.

For his 2021 Field Day, Scott Hanley, WA9STI, took to the woods -- the Los Padres National Forest -- at a site some 7,400 feet elevation in the mountains overlooking California's Central Valley. He operated as WA6LE in Class 1B. He put 358 contacts in the log on CW and phone -- short of his 400-contact goal. "Almost all activity was on 20, 40, and 75/80 meters to a G5RV or end-fed 20-meter dipole," Hanley said. "Six meters did not open, so I only had two local SSB contacts and only three contacts on 2-meter FM."

Upcoming Contest(<https://www.contestcalendar.com/contestcal.html>)

July 2021

+ RAC Canada Day Contest	0000Z-2359Z, Jul 1
+ CWops Mini-CWT Test	0300Z-0400Z, Jul 1
+ CWops Mini-CWT Test	0700Z-0800Z, Jul 1
+ NRAU 10m Activity Contest	1700Z-1800Z, Jul 1 (CW) and 1800Z-1900Z, Jul 1 (SSB) and 1900Z-2000Z, Jul 1 (FM) and 2000Z-2100Z, Jul 1 (Dig)
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 1
+ EACW Meeting	1900Z-2000Z, Jul 1
+ SKCC Sprint Europe	1900Z-2100Z, Jul 1
+ QRP Fox Hunt	0100Z-0230Z, Jul 2
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 2
+ NCCC Sprint	0230Z-0300Z, Jul 2
+ K1USN Slow Speed Test	2000Z-2100Z, Jul 2
+ Venezuelan Ind. Day Contest	0000Z-2359Z, Jul 3
+ DL-DX RTTY Contest	1100Z, Jul 3 to 1059Z, Jul 4
+ Two-Meter Classic Sprint	1300Z-1330Z, Jul 3
+ Marconi Memorial HF Contest	1400Z, Jul 3 to 1400Z, Jul 4
+ TA VHF/UHF Contest	1500Z, Jul 3 to 1500Z, Jul 4
+ Original QRP Contest	1500Z, Jul 3 to 1500Z, Jul 4
+ PODXS 070 Club 40m Firecracker Sprint	2000Z, Jul 3 to 2000Z, Jul 4
+ K1USN Slow Speed Test	0000Z-0100Z, Jul 5
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Jul 5
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jul 6
+ ARS Spartan Sprint	0100Z-0300Z, Jul 6

+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 6
+ Phone Weekly Test - Fray	0230Z-0300Z, Jul 7
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 7
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Jul 7
+ CWops Mini-CWT Test	1900Z-2000Z, Jul 7
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Jul 8 and 0200Z-0300Z, Jul 9
+ CWops Mini-CWT Test	0300Z-0400Z, Jul 8
+ CWops Mini-CWT Test	0700Z-0800Z, Jul 8
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 8
+ EACW Meeting	1900Z-2000Z, Jul 8
+ QRP Fox Hunt	0100Z-0230Z, Jul 9
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 9
+ NCCC Sprint	0230Z-0300Z, Jul 9
+ K1USN Slow Speed Test	2000Z-2100Z, Jul 9
+ IARU HF World Championship	1200Z, Jul 10 to 1200Z, Jul 11
+ SKCC Weekend Sprintathon	1200Z, Jul 10 to 2400Z, Jul 11
+ QRP ARCI Summer Homebrew Sprint	2000Z-2300Z, Jul 11
+ K1USN Slow Speed Test	0000Z-0100Z, Jul 12
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Jul 12
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jul 13
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 13
+ Phone Weekly Test - Fray	0230Z-0300Z, Jul 14
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 14
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Jul 14
+ CWops Mini-CWT Test	1900Z-2000Z, Jul 14
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, Jul 14

+ CWops Mini-CWT Test	0300Z-0400Z, Jul 15
+ CWops Mini-CWT Test	0700Z-0800Z, Jul 15
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 15
+ EACW Meeting	1900Z-2000Z, Jul 15
+ QRP Fox Hunt	0100Z-0230Z, Jul 16
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 16
+ NCCC Sprint	0230Z-0300Z, Jul 16
+ K1USN Slow Speed Test	2000Z-2100Z, Jul 16
+ Russian Radio Team Championship	0700Z-1459Z, Jul 17
+ Trans-Tasman Low-Bands Challenge	0800Z-1400Z, Jul 17
+ Feld Hell Sprint	1200Z-1359Z, Jul 17
+ IARU Region 1 70 MHz Contest	1400Z, Jul 17 to 1400Z, Jul 18
+ North American QSO Party, RTTY	1800Z, Jul 17 to 0559Z, Jul 18
+ CQ Worldwide VHF Contest	1800Z, Jul 17 to 2100Z, Jul 18
+ RSGB International Low Power Contest	0900Z-1200Z and 1300Z-1600Z, Jul 18
+ YOTA Contest	1000Z-2159Z, Jul 18
+ CQC Great Colorado Gold Rush	2000Z-2159Z, Jul 18
+ Run for the Bacon QRP Contest	2300Z, Jul 18 to 0100Z, Jul 19
+ K1USN Slow Speed Test	0000Z-0100Z, Jul 19
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jul 20
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 20
+ Phone Weekly Test - Fray	0230Z-0300Z, Jul 21
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 21
+ CWops Mini-CWT Test	1900Z-2000Z, Jul 21
+ NAQCC CW Sprint	0030Z-0230Z, Jul 22
+ CWops Mini-CWT Test	0300Z-0400Z, Jul 22

+ CWops Mini-CWT Test	0700Z-0800Z, Jul 22
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 22
+ EACW Meeting	1900Z-2000Z, Jul 22
+ RSGB 80m Club Championship, Data	1900Z-2030Z, Jul 22
+ QRP Fox Hunt	0100Z-0230Z, Jul 23
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 23
+ NCCC Sprint	0230Z-0300Z, Jul 23
+ K1USN Slow Speed Test	2000Z-2100Z, Jul 23
+ RSGB IOTA Contest	1200Z, Jul 24 to 1200Z, Jul 25
+ ARS Flight of the Bumblebees	1700Z-2100Z, Jul 25
+ K1USN Slow Speed Test	0000Z-0100Z, Jul 26
+ QCX Challenge	1300Z-1400Z, Jul 26
+ RSGB FT4 Contest Series	1900Z-2030Z, Jul 26
+ QCX Challenge	1900Z-2000Z, Jul 26
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Jul 27
+ QCX Challenge	0300Z-0400Z, Jul 27
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 27
+ SKCC Sprint	0000Z-0200Z, Jul 28
+ Phone Weekly Test - Fray	0230Z-0300Z, Jul 28
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 28
+ CWops Mini-CWT Test	1900Z-2000Z, Jul 28
+ CWops Mini-CWT Test	0300Z-0400Z, Jul 29
+ CWops Mini-CWT Test	0700Z-0800Z, Jul 29
+ RTTYOPS Weeksprint	1700Z-1900Z, Jul 29
+ EACW Meeting	1900Z-2000Z, Jul 29
+ QRP Fox Hunt	0100Z-0230Z, Jul 30
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 30
+ NCCC Sprint	0230Z-0300Z, Jul 30

+ K1USN Slow Speed Test	2000Z-2100Z, Jul 30
+ Feld Hell Sprint	0000Z-2359Z, Jul 31
+ Russian WW MultiMode Contest	1200Z, Jul 31 to 1159Z, Aug 1
+ Missouri QSO Party	1400Z, Jul 31 to 0400Z, Aug 1 and 1400Z-2000Z, Aug 1
+ WAB 144 MHz Low Power Phone	1400Z-1800Z, Jul 31

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+ SARL HF Phone Contest	1400Z-1700Z, Aug 1
+ K1USN Slow Speed Test	0000Z-0100Z, Aug 2
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Aug 3
+ ARS Spartan Sprint	0100Z-0300Z, Aug 3
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 3
+ Phone Weekly Test - Fray	0230Z-0300Z, Aug 4
+ CWops Mini-CWT Test	1300Z-1400Z, Aug 4
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Aug 4
+ CWops Mini-CWT Test	1900Z-2000Z, Aug 4
+ CWops Mini-CWT Test	0300Z-0400Z, Aug 5
+ CWops Mini-CWT Test	0700Z-0800Z, Aug 5
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 5
+ NRAU 10m Activity Contest	1700Z-1800Z, Aug 5 (CW) and 1800Z-1900Z, Aug 5 (SSB) and 1900Z-2000Z, Aug 5 (FM) and 2000Z-2100Z, Aug 5 (Dig)
+ EACW Meeting	1900Z-2000Z, Aug 5
+ SKCC Sprint Europe	1900Z-2100Z, Aug 5
+ QRP Fox Hunt	0100Z-0230Z, Aug 6

+ NCCC RTTY Sprint	0145Z-0215Z, Aug 6
+ NCCC Sprint	0230Z-0300Z, Aug 6
+ K1USN Slow Speed Test	2000Z-2100Z, Aug 6
+ Batavia FT8 Contest	0000Z, Aug 7 to 2359Z, Aug 8
+ 10-10 Int. Summer Contest, SSB	0001Z, Aug 7 to 2359Z, Aug 8
+ European HF Championship	1200Z-2359Z, Aug 7
+ SKCC Weekend Sprintathon	1200Z, Aug 7 to 2400Z, Aug 8
+ Two-Meter Classic Sprint	1300Z-1330Z, Aug 7
+ FISTS Saturday Sprint	1600Z-1800Z, Aug 7
+ ARRL 222 MHz and Up Distance Contest	1800Z, Aug 7 to 1800Z, Aug 8
+ North American QSO Party, CW	1800Z, Aug 7 to 0559Z, Aug 8
+ K1USN Slow Speed Test	0000Z-0100Z, Aug 9
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Aug 9
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Aug 10
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 10
+ NAQCC CW Sprint	0030Z-0230Z, Aug 11
+ Phone Weekly Test - Fray	0230Z-0300Z, Aug 11
+ CWops Mini-CWT Test	1300Z-1400Z, Aug 11
+ MMonVHF/DUBUS 144 MHz Meteorscatter Sprint Contest	1500Z, Aug 11 to 1459Z, Aug 13
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Aug 11
+ CWops Mini-CWT Test	1900Z-2000Z, Aug 11
+ CWops Mini-CWT Test	0300Z-0400Z, Aug 12
+ CWops Mini-CWT Test	0700Z-0800Z, Aug 12
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 12

+ EACW Meeting	1900Z-2000Z, Aug 12
+ QRP Fox Hunt	0100Z-0230Z, Aug 13
+ NCCC RTTY Sprint	0145Z-0215Z, Aug 13
+ NCCC Sprint	0230Z-0300Z, Aug 13
+ K1USN Slow Speed Test	2000Z-2100Z, Aug 13
+ WAE DX Contest, CW	0000Z, Aug 14 to 2359Z, Aug 15
+ QRP ARCI European Sprint	0800Z-1100Z, Aug 14
+ SARL Youth Sprint	1200Z-1300Z, Aug 14
+ Kentucky State Parks on the Air	1400Z-2200Z, Aug 14
+ Maryland-DC QSO Party	1400Z, Aug 14 to 0400Z, Aug 15
+ 50 MHz Fall Sprint	2300Z, Aug 14 to 0300Z, Aug 15
+ SARL HF Digital Contest	1400Z-1700Z, Aug 15
+ NJQRP Skeeter Hunt	1700Z-2100Z, Aug 15
+ FISTS Sunday Sprint	2100Z-2300Z, Aug 15
+ Run for the Bacon QRP Contest	2300Z, Aug 15 to 0100Z, Aug 16
+ K1USN Slow Speed Test	0000Z-0100Z, Aug 16
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Aug 17
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 17
+ Phone Weekly Test - Fray	0230Z-0300Z, Aug 18
+ CWops Mini-CWT Test	1300Z-1400Z, Aug 18
+ CWops Mini-CWT Test	1900Z-2000Z, Aug 18
+ CWops Mini-CWT Test	0300Z-0400Z, Aug 19
+ CWops Mini-CWT Test	0700Z-0800Z, Aug 19
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 19
+ EACW Meeting	1900Z-2000Z, Aug 19
+ QRP Fox Hunt	0100Z-0230Z, Aug 20

+ NCCC RTTY Sprint	0145Z-0215Z, Aug 20
+ NCCC Sprint	0230Z-0300Z, Aug 20
+ K1USN Slow Speed Test	2000Z-2100Z, Aug 20
+ SARTG WW RTTY Contest	0000Z-0800Z, Aug 21 and 1600Z-2400Z, Aug 21 and 0800Z-1600Z, Aug 22
+ ARRL 10 GHz and Up Contest	0600 local, Aug 21 to 2400 local, Aug 22
+ Russian District Award Contest	0800Z, Aug 21 to 0800Z, Aug 22
+ Keyman's Club of Japan Contest	1200Z, Aug 21 to 1200Z, Aug 22
+ Feld Hell Sprint	1600Z-1759Z, Aug 21
+ North American QSO Party, SSB	1800Z, Aug 21 to 0559Z, Aug 22
+ CVA DX Contest, CW	2100Z, Aug 21 to 2100Z, Aug 22
+ ARRL Rookie Roundup, RTTY	1800Z-2359Z, Aug 22
+ K1USN Slow Speed Test	0000Z-0100Z, Aug 23
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Aug 24
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 24
+ SKCC Sprint	0000Z-0200Z, Aug 25
+ Phone Weekly Test - Fray	0230Z-0300Z, Aug 25
+ CWops Mini-CWT Test	1300Z-1400Z, Aug 25
+ CWops Mini-CWT Test	1900Z-2000Z, Aug 25
+ CWops Mini-CWT Test	0300Z-0400Z, Aug 26
+ CWops Mini-CWT Test	0700Z-0800Z, Aug 26
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 26
+ EACW Meeting	1900Z-2000Z, Aug 26
+ QRP Fox Hunt	0100Z-0230Z, Aug 27
+ NCCC RTTY Sprint	0145Z-0215Z, Aug 27

+ NCCC Sprint	0230Z-0300Z, Aug 27
+ K1USN Slow Speed Test	2000Z-2100Z, Aug 27
+ RTTYOps WW DX RTTY Contest	2200Z, Aug 27 to 1200Z, Aug 28 and
+ Hawaii QSO Party	0400Z, Aug 28 to 0400Z, Aug 30
+ ALARA Contest	0600Z Aug 28 to 0559Z, Aug 29
+ YO DX HF Contest	1200Z, Aug 28 to 1200Z, Aug 29
+ World Wide Digi DX Contest	1200Z, Aug 28 to 1200Z, Aug 29
+ W/VE Islands QSO Party	1200Z, Aug 28 to 0300Z, Aug 29
+ Kansas QSO Party	1400Z, Aug 28 to 0200Z, Aug 29 and 1400Z-2000Z, Aug 29
+ Ohio QSO Party	1600Z, Aug 28 to 0400Z, Aug 29
+ CVA DX Contest, SSB	2100Z, Aug 28 to 2100Z, Aug 29
+ SARL HF CW Contest	1400Z-1700Z, Aug 29
+ K1USN Slow Speed Test	0000Z-0100Z, Aug 30
+ QCX Challenge	1300Z-1400Z, Aug 30
+ QCX Challenge	1900Z-2000Z, Aug 30
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Aug 31
+ QCX Challenge	0300Z-0400Z, Aug 31
+ RTTYOPS Weeksprint	1700Z-1900Z, Aug 31

